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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541,774	07/07/2005	Pierre Barberis	12928/10025	1671
26545 7550 64/30/2008 KENYON & KENYON LLP ONE BROADWAY			EXAMINER	
			SHEVIN, MARK L	
NEW YORK,	NY 10004		ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/541,774 BARBERIS ET AL Office Action Summary Examiner Art Unit Mark L. Shevin 1793 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 19 February 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 11-20 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 11-20 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

PTOL-326 (Rev. 08-06)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (FTO/S5/08)
Paper No(s)/Mail Date _______.

Attachment(s)

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

5 Notice of Informal Patent Application

Art Unit: 1793

DETAILED ACTION

Status of Claims

 Claims 11-20, filed in Applicant's reply on February 19th, 2008 are currently under examination, and claims 11 and 16 were amended. The previous Office Action, mailed November 14th, 2007, had similarly addressed claims 11-20, which were originally filed as part of a preliminary amendment filed July 7th, 2005.

Status of Previous Rejections

Charquet

2. The previous rejection of claims 11-16 and 18-20 under 35 U.S.C. 103(a) over Charquet (US 5,674,330) in the Office action dated November 14th, 2007, have been withdrawn. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Upon further consideration, Applicant's remarks at paragraph 2 on page 5 are persuasive in distinguishing hot rolling as a form of forging.

Sabol

3. The previous rejection of claims 11-16 and 18-20 under 35 U.S.C. 103(a) over Sabol (EP 0.085.553) in the Office Action dated November 14th, 2006, have been maintained.

Regarding claim 11, with respect to the added limitations of "wherein a second forging stage follows the first forging stage..." and "extruding or hot rolling the forged ingot", Sabol teaches that the billet may be forged a second time to a size and shape appropriate for extrusion (p. 2, lines 25-29).

Page 3

Application/Control Number: 10/541,774

Art Unit: 1793

Regarding claim 16, changing "a" to "the" does not change of the scope of the claim and thus the rejection stands as stated in the previous Office Action.

Sabol in view of Armand

4. The previous rejection of claim 17 under 35 U.S.C. 103(a) over Sabol or Charquet in view of Armand (US 4,108,687) in the Office Action dated November 14th, 2007 has been maintained.

As this rejection was in the form of "A or B in view of C", although B has been withdrawn as a primary reference for rejecting the independent claim, reference A (Sabol) in view of C (Armand) is still in effect.

Double Patenting

5. The previous provisional rejections of claims 11-15 and 19-20 under the doctrine of non-statutory double patenting in view of co-pending application 10/541,262 have been withdrawn.

Upon further consideration, Applicant's remarks at paragraph 1 on page 9 are persuasive in distinguishing the copending claims from the instant claims in that the copending claims do not disclose a two-stage forging operation.

Response to Applicant's Arguments:

6. Applicant's arguments, see paragraph 2 on page 5, filed February 19th, 2008, with respect to the difference between hot rolling and forging have been fully considered and are persuasive. The rejection of claims 11-16 and 18-20 over Charquet have been withdrawn as explained above. Applicant's arguments (p. 4, para 3 – p. 6, para 4) with

Art Unit: 1793

respect to claims rejected using Charquet have been considered but are moot in view of the withdrawal of rejections using Charquet as explained above.

7. Applicant asserts (p. 7, para 2) that Sabol does not teach or disclose "wherein a second forging stage follows the first forging stage, and extruding or hot rolling the forged ingot" as recited in the amended claim 11. The Examiner has already addressed this assertion in maintaining the rejection as discussed in section 3 above.

Applicant then attempts to distinguish Sabol from the instant claim 11 by pointing to p. 2, lines 4-19 of the reference. Sabol still does teach a second forging stage that "follows the first forging stage" as discussed above. Furthermore, as Applicant's method is described using "comprising", additional steps are within the scope and purview of the instant claim (MPEP 2111.03, para 2).

With respect to the rejection of claim 17 using Sabol in view of Armand, Applicant asserts that Sabol does not teach the claimed process in that two forging operations are not taught or suggested (p. 8 , para 2). As stated in the Office Action, Armand teaches a method of hot working zirconium alloys by forging cast ingots in the alpha + beta range of 830-950 °C (col. 3, lines 10-13 and 42-51). The duration of thermal treatment may be shortened by combining mechanical effects, in the form of consecutive hot working operations such as forging, carried out in the alpha + beta range with intermediary reheating (col. 3, lines 42-51). Armand teaches a species examples with two forging operations performed at 850 C (in the alpha + beta phase field) and concludes that this process increased strength 7-20%, and yielded a lowered creep rate

Art Unit: 1793

(col. 5, lines 1—17) when compared to a dual alpha phase working process (sequence 1, col. 4, lines 31-34).

Applicant next asserts that there is no motivation to combine Sabol in view of Armand, however motivation to combine comes from Armand's teaching of increased strength and lowered creep rate using his process and Armand furthermore states that his process could be applied to other zirconium alloys as long as they have a bi-phase alpha+beta range between 880 and 950 °C (col. 5, lines 57-61).

Lastly, Applicant states that Armand uses ingots that are much smaller then the present invention. However, one could attain the claims size limitations through routine optimization as Sabol repeatedly references later operation as being adjustable or tailored to the size and shape of the ingot billet (p. 2, lines 29-35). Moreover, changes in size and shape do not generally support patentability (MPEP 2144.04, IV, sections A and B.)

Applicant's arguments with respect to the provisional double patenting rejections are moot in view of the withdrawal of these rejections as mentioned above.

Conclusion

 Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

Art Unit: 1793

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

- -- Claims 11-20 are finally rejected
- -- No claims are allowed

The rejections above rely on the references for all the teachings expressed in the texts of the references and/or one of ordinary skill in the metallurgical art would have reasonably understood or implied from the texts of the references. To emphasize certain aspects of the prior art, only specific portions of the texts have been pointed out. Each reference as a whole should be reviewed in responding to the rejection, since other sections of the same reference and/or various combinations of the cited references may be relied on in future rejections in view of amendments.

All recited limitations in the instant claims have been met by the rejections as set forth above. Applicant is reminded that when amendment and/or revision is required, applicant should therefore specifically point out the support for any amendments made to the disclosure. See 37 C.F.R. § 1.121; 37 C.F.R. Part §41.37 (c)(1)(v); MPEP §714.02; and MPEP §241.01(B).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark L. Shevin whose telephone number is (571) 270-3588. The examiner can normally be reached on Monday - Thursday, 8:30 AM - 5:00 PM EST

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy M. King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

> /Mark L. Shevin/ Examiner, Art Unit 1793 /Roy King/ Supervisory Patent Examiner, Art Unit 1793

> > April 25th, 2008 10-541,774